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DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION*

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES

and for which a patent application:

is attached hereto and includes amendment(s) filed on *(if applicable)*
was filed in the United States on as Application No.

with amendment(s) filed on *(if applicable)*
was filed as PCT international Application No. on and was amended under PCT Article 19 on *(if applicable)*

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES NO
			YES NO
			YES NO

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

PROVISIONAL APPLICATION NUMBER	FILING DATE
60/408,587	September 5, 2002

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

NON-PROVISIONAL APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
10/188,575	July 2, 2002		X	

* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	LAST NAME Shapiro	FIRST NAME Philip	MIDDLE NAME D.
	RESIDENCE & CITIZENSHIP	CITY Palo Alto	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	STREET 2072 Williams Street	CITY Palo Alto	STATE OR COUNTRY CA
	SIGNATURE OF INVENTOR 201 <i>Philip W Shapiro</i>		DATE 9/21/2002	
2 0 2	FULL NAME OF INVENTOR	LAST NAME Case	FIRST NAME Daniel	MIDDLE NAME K.
	RESIDENCE & CITIZENSHIP	CITY Gilroy	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP USA
	POST OFFICE ADDRESS	STREET 1407 Casablanca Circle	CITY Gilroy	STATE OR COUNTRY CA
	SIGNATURE OF INVENTOR 202		DATE	
2 0 3	FULL NAME OF INVENTOR	LAST NAME Nguyen	FIRST NAME The ' Linh	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY San Jose	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP Canada
	POST OFFICE ADDRESS	STREET 1650 Via Fortuna	CITY San Jose	STATE OR COUNTRY CA
	SIGNATURE OF INVENTOR 203		DATE	
2 0 4	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY
	SIGNATURE OF INVENTOR 204		DATE	
2 0 5	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY
	SIGNATURE OF INVENTOR 205		DATE	

DECLARATION FOR NON-PROVISIONAL PATENT APPLICATION*

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below at 201 et seq. beneath my name.

I believe I am the original, first and sole inventor if only one name is listed at 201 below, or an original, first and joint inventor if plural names are listed at 201 et seq. below, of the subject matter which is claimed and for which a patent is sought on the invention entitled

SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES

and for which a patent application:

is attached hereto and includes amendment(s) filed on *(if applicable)*
 was filed in the United States on as Application No.
 with amendment(s) filed on *(if applicable)*
 was filed as PCT international Application No. on and was amended under PCT Article 19 on *(if applicable)*

I hereby state that I have reviewed and understand the contents of the above identified application, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, §119(a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED PRIOR TO THE FILING DATE OF THE APPLICATION			
APPLICATION NUMBER	COUNTRY	DATE OF FILING (day, month, year)	PRIORITY CLAIMED
			YES NO
			YES NO
			YES NO

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

PROVISIONAL APPLICATION NUMBER	FILING DATE
60/408,587	September 5, 2002

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

NON-PROVISIONAL APPLICATION SERIAL NO.	FILING DATE	STATUS		
		PATENTED	PENDING	ABANDONED
10/188,575	July 2, 2002		X	

* for use only when the application is assigned to a company, partnership or other organization.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

2 0 1	FULL NAME OF INVENTOR	LAST NAME Shapiro	FIRST NAME Philip	MIDDLE NAME D.	
	RESIDENCE & CITIZENSHIP	CITY Palo Alto	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 2072 Williams Street	CITY Palo Alto	STATE OR COUNTRY CA	ZIP CODE 94306
	SIGNATURE OF INVENTOR 201			DATE	
2 0 2	FULL NAME OF INVENTOR	LAST NAME Case	FIRST NAME Daniel	MIDDLE NAME K.	
	RESIDENCE & CITIZENSHIP	CITY Gilroy	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP USA	
	POST OFFICE ADDRESS	STREET 1407 Casablanca Circle	CITY Gilroy	STATE OR COUNTRY CA	ZIP CODE 95020
	SIGNATURE OF INVENTOR 202			DATE <i>Daniel K Case</i> 29 OCT 2002	
2 0 3	FULL NAME OF INVENTOR	LAST NAME Nguyen	FIRST NAME The ' Linh	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY San Jose	STATE OR FOREIGN COUNTRY CA	COUNTRY OF CITIZENSHIP Canada	
	POST OFFICE ADDRESS	STREET 1650 Via Fortuna	CITY San Jose	STATE OR COUNTRY CA	ZIP CODE 95120
	SIGNATURE OF INVENTOR 203			DATE <i>T. Nguyen</i> Oct. 29, 2002	
2 0 4	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 204			DATE	
2 0 5	FULL NAME OF INVENTOR	LAST NAME	FIRST NAME	MIDDLE NAME	
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP	
	POST OFFICE ADDRESS	STREET	CITY	STATE OR COUNTRY	ZIP CODE
	SIGNATURE OF INVENTOR 205			DATE	

POWER OF ATTORNEY

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Shapiro et al.

Application No.: To be assigned

Group Art Unit: To be assigned

Filed: Herewith

Examiner: To be assigned

For: SYSTEM FOR CONTROLLING BIAS
CURRENT IN LASER DIODES WITH
IMPROVED SWITCHING RATES

Attorney Docket No.: 9775-0130-999

Confirmation No.:

**POWER OF ATTORNEY BY ASSIGNEE
AND EXCLUSION OF INVENTOR(S) UNDER 37 C.F.R. 3.71
WITH STATEMENT UNDER C.F.R. 3.73(b)**

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned assignee of the entire interest in the above-identified subject application hereby appoints: Berj A. Terzian (Reg. No. 20060), David Weild, III (Reg. No. 21094), Barry D. Rein (Reg. No. 22411), Charles E. McKenney (Reg. No. 22795), Philip T. Shannon (Reg. No. 24278), Francis E. Morris (Reg. No. 24615), Charles E. Miller (Reg. No. 24576), Gidon D. Stern (Reg. No. 27469), John J. Lauter, Jr. (Reg. No. 27814), Brian M. Poissant (Reg. No. 28462), Rory J. Radding (Reg. No. 28749), Stephen J. Harbulak (Reg. No. 29166), Donald J. Goodell (Reg. No. 19766), Thomas E. Friebel (Reg. No. 29258), Laura A. Coruzzi (Reg. No. 30742), Geraldine F. Baldwin (Reg. No. 31232), Victor N. Balancia (Reg. No. 31231), Samuel B. Abrams (Reg. No. 30605), Steven I. Wallach (Reg. No. 35402), Adriane M. Antler (Reg. No. 32605), Thomas G. Rowan (Reg. No. 34419), James G. Markey (Reg. No. 31636), Thomas D. Kohler (Reg. No. 32797), Scott D. Stimpson (Reg. No. 33607), Gary S. Williams (Reg. No. 31066), Ann L. Gisolfi (Reg. No. 31956), Kelly D. Talcott (Reg. No. 39582), Francis D. Cerrito (Reg. No. 38100), Anthony M. Insogna (Reg. No. 35203), Brian M. Rothery (Reg. No. 35340), Brian D. Siff (Reg. No. 35679), Michael J. Lyons (Reg. No. 37386), Nikolaos C. George (Reg. No. 39201), Stephen S. Rabinowitz (Reg. No. 40286), Ognjan V. Shentov (Reg. No. 38051), Kenneth L. Stein (Reg. No. 38704), Nanda K. Alapati (Reg. No. 39,893), Andrew J. Gray (Reg. No. 41,796), Henry C. Lebowitz (Reg. No. 36,196) and Karen G. Horowitz (Reg. No. 35,199), all of Pennie & Edmonds LLP, whose addresses are 1155 Avenue of the Americas, New York, New York 10036, 1667 K Street N.W., Washington, DC 20006 and 3300 Hillview Avenue, Palo Alto, CA 94304, all of Pennie & Edmonds LLP (PTO Customer No. 24341), as its attorneys to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith, said appointment to be to the exclusion of the inventors and their attorney(s) in accordance with the provisions of 37 C.F.R. 3.71, provided that, if any one of these attorneys ceases being affiliated with the law firm of Pennie & Edmonds LLP as partner, counsel, or

POWER OF ATTORNEY

employee, then the appointment of that attorney and all powers derived therefrom shall terminate on the date such attorney ceases being so affiliated.

Please direct all correspondence for this application to customer no. 24341.

I am the:

- Applicant/Inventor**
 Assignee of record of the entire interest. See 37 CFR 3.71.
(Statement under 37 CFR 3.73(b) is applicable)

Statement Under 37 C.F.R. 3.73(b)

Finisar Corporation states that it is:

- the assignee of the entire right, title, and interest; or
an assignee of less than the entire right, title and interest.
The extent (by, percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- An assignment from the inventor(s) of the patent application/patent identified above.
The assignment was recorded in the United States Patent and Trademark Office on
_____ at Reel _____, Frame _____, or for which a copy
thereof is attached.

OR

A chain of title from the inventor(s), of the patent application/patent identified above,
to the current assignee as shown below:

1. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office on
_____ at Reel _____, Frame _____, or for which a copy
thereof is attached.

2. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office on
_____ at Reel _____, Frame _____, or for which a copy
thereof is attached.

3. From: _____ To: _____
The document was recorded in the United States Patent and Trademark Office on
_____ at Reel _____, Frame _____, or for which a copy
thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments of other documents in the chain of title are attached.

[Note: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

POWER OF ATTORNEY

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Date:

10/28/02

ASSIGNEE: Finisar Corporation
Signature: F.H. Levinson
Typed Name: FRANK H. LEVINSON
Position>Title: Chairman & CEO
Address: 1308 Moffett Park Drive
Sunnyvale, CA 94089-1133

WORKMAN NYDEGGER

ATTORNEYS AT LAW

A PROFESSIONAL CORPORATION

1000 EAGLE GATE TOWER

60 EAST SOUTH TEMPLE

SALT LAKE CITY, UTAH 84111

TELEPHONE (801) 533-9800

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RICK D. NYDEGGER
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 THOMAS R. VUKSINICK
 LARRY R. LAYCOCK
 JONATHAN W. RICHARDS
 DAVID R. WRIGHT
 JOHN C. STRINGHAM
 JOHN M. GUYN
 CHARLES L. ROBERTS
 DANA L. TANGREN
 ERIC L. MASCHOFF
 CHARLES J. NEVERKA
 ROBYN L. PHILLIPS
 RICHARD C. GILMORE†
 STERLING A. BRENNANT†
 GREGORY M. TAYLOR
 DAVID B. DELLENBACH
 R. BURNS ISRAESEN
 DAVID R. TODD
 L. DAVID GRIFFIN
 ADRIAN J. LEE
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 CARL T. REED

R. PARRISH FREEMAN, JR.
 PETER F. MALEN, JR.
 L. REX SEARS, PH.D.
 ERIC M. KAMERATH
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 J. LAVAR OLDHAM
 MICHAEL J. FRODSHAM
 JOSEPH L. KRUPA
 BRETT A. HANSEN
 BRETT I. JOHNSON
 MATTHEW A. BARLOW
 WESLEY C. ROSANDER
 ANDREW S. HANSEN
 CHAD E. NYDEGGER
 JOSEPH G. PIA
 CLINTON E. DUKE

PATENTS
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 LICENSING
 COMPLEX LITIGATION

MAILING ADDRESS:
 P.O. BOX 45862
 SALT LAKE CITY, UT 84145

INTERNET
 HOME PAGE: <http://www.wnpatent.com>
 GENERAL E-MAIL: info@wnpatent.com

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Philip D. Shapiro et al.

Art Unit 2828

Serial No.: 10/285,203

Filing Date: October 30, 2002

Confirmation No.: 1614

For: SYSTEM FOR CONTROLLING BIAS CURRENT IN
LASER DIODES WITH IMPROVED SWITCHING
RATES

Examiner: Hung T. Vy

TRANSMITTAL FOR REVOCATION AND SUBSTITUTE POWER OF ATTORNEY

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is a Revocation and Substitute Power of Attorney. A duplicate copy of this letter is enclosed.

Dated this 25th day of November 2003.

Respectfully submitted,



Peter F. Malen, Jr.
 Attorney for Applicant
 Registration No. 45,576
 Customer No. 022913

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of	Philip D. Shapiro et al.	
Serial No.:	10/285,203	
Filing Date:	October 30, 2002	Art Unit 2828
Confirmation No.:	1614	
For:	SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES	

REVOCATION AND SUBSTITUTE
POWER OF ATTORNEY AND
STATEMENT UNDER 37 CFR 3.73(b)

Honorable Commissioner of Patents
and Trademarks
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Frank H. Levinson, state that I am Chairman of the Board of Finisar Corporation and that I am authorized to execute this Revocation and Substitute Power of Attorney on behalf of Finisar Corporation.

I further state that Finisar Corporation is the assignee of the entire interest of the above-identified patent or patent application as shown by the assignment(s) recorded in the U.S. Patent and Trademark Office at the Reel and Frame identified in Exhibit A; The assignee, Finisar Corporation, hereby revokes all previous powers of attorney in the above-identified application, which is included in the schedule of U.S. Patents and Patent Applications of Exhibit B, and now hereby appoints all attorneys under customer number:



022913

PATENT TRADEMARK OFFICE

of WORKMAN, NYDEGGER & SEELEY, 1000 Eagle Gate Tower, 60 East South Temple, Salt Lake City, Utah 84111, as attorneys with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the Letters Patent, and to transact all business in the Patent and Trademark Office connected therewith.

All correspondence and telephonic communication should be directed to:

ERIC L. MASCHOFF
WORKMAN, NYDEGGER & SEELEY
1000 Eagle Gate Tower
60 East South Temple
Salt Lake City, Utah 84111

This Revocation and Substitute Power of Attorney and Statement Under 37 CFR 3.73(b) is effective for all of the U.S. Patents and Patent Applications of Exhibit B, and shall be filed at the U.S. Patent & Trademark Office in all of said U.S. Patents and Patent Applications.

Signed this 28 day of May, 2003.



Frank H. Levinson
Finisar Corporation
1308 Moffet Park Drive
Sunnyvale, California 94089

ASSIGNMENT

WHEREAS, WE, Philip D. Shapiro, Daniel K. Case and The' Linh Nguyen, ASSIGNS, citizens of the United States, the United States and Canada, residing at 2072 Williams Street, Palo Alto, CA 94306, 1407 Casablanca Circle, Gilroy, CA 95020 and 1650 Via Fortuna, San Jose, CA 95120, are the inventors of the invention in SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES for which we have executed an application for a Patent f the United States

which is executed on even date herewith or _____

- which is identified by Pennie & Edmonds LLP docket no. 9775-0130-999
which was filed on , Application No.

and WHEREAS, Finisar Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

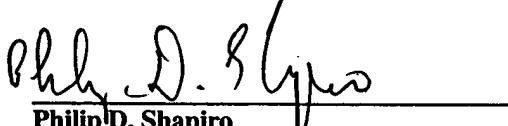
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws f the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

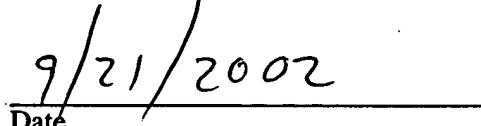
AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.


Philip D. Shapiro

Daniel K. Case
 Witness:


The' Linh Nguyen

Daniel K. Case
 Date

<u>Daniel K. Case</u>	Date
Witness:	Date
<u>The' Linh Nguyen</u>	Date
Witness:	Date

ASSIGNMENT

WHEREAS, WE, Philip D. Shapiro, Daniel K. Case and The' Linh Nguyen, ASSIGNORS, citizens of the United States, the United States and Canada, residing at 2072 Williams Street, Palo Alto, CA 94306, 1407 Casablanca Circle, Gilroy, CA 95020 and 1650 Via Fortuna, San Jose, CA 95120, are the inventors of the invention in SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES for which we have executed an application for a Patent of the United States

which is executed on _____ even date herewith or _____

which is identified by Pennie & Edmonds LLP docket no. 9775-0130-999
which was filed on , Application No.

and WHEREAS, Finisar Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Philip D. Shapiro

Date

Witness:



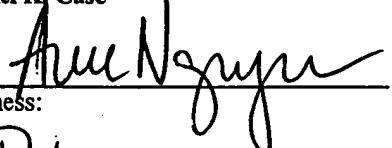
Daniel K. Case

Date



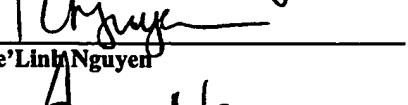
29 OCT 2002

Date



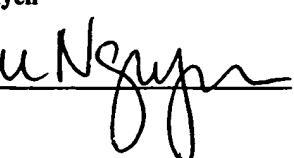
10/29/02

Date



Oct. 29, 2002

Date



10/21/02

Date

Witness:



The' Linh Nguyen

Witness:



The' Linh Nguyen

EXHIBIT B
Patents and Patent Applications Subject to Revocations and Substitute Power of Attorney

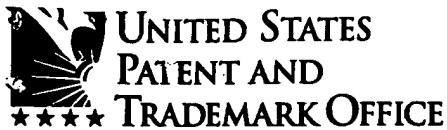
Number	Serial Number	Title	Issue Date
16436.253.1	8775-005-898	HIGH SPEED MODIFICATION SYSTEM AND METHOD	09/327,987 8-Jun-98 6268808 31-Jul-01
16436.253.2	8775-007-899	MULTI-PROTOCOL DUAL FIBER LINK LASER DIODE CONTROLLER AND METHOD	08/924,852 5-Sep-97 5956168 21-Sep-99
16436.253.7	8775-015-898	HIGH SPEED NETWORK SWITCH	08/1440,088 12-May-95 5604735 18-Feb-97
16436.253.8	8775-016-898	INTEGRATED OPTICAL COUPLER AND CONNECTOR	07/189,979 28-May-88 4881789 21-Nov-89
16436.253.9	8775-017-898	2X2 OPTICAL BYPASS SWITCH	07/358,892 30-May-89 4927225 22-May-90
16436.253.12	8775-020-898	HIGH SPEED INFORMATION BROADCASTING SYSTEM	07/7786,453 1-Nov-91 5404505 4-Apr-95
16436.253.13	8775-021-898	SEMICONDUCTOR LAS DIODE CONTROLLER AND LASER DIODE BIASING CONTROL METHOD	07/583,178 14-Sep-90 5019769 28-May-91
16436.253.14	8775-022-898	HIGH SPEED MESH CONNECTED LOCAL AREA NETWORK	08/404,873 15-Mar-95 5566171 15-Oct-96
16436.253.16	8775-026-898	A PRECISION GAAS LOW-VOLTAGE DC AMPLIFIER	09/221,873 23-Dec-98 6121838 18-Sep-00
16436.253.17	8775-030-898	A TRANSCEIVER WITH AUXILIARY MONITORING PORTS	09/4420,847 19-Oct-99
16436.253.18	8775-031-898	FIBER OPTIC LASER TRANSMITTER WITH REDUCED NEAR-END REFLECTIONS	09/521,659 8-Mar-00
16436.253.19.1	8775-034-898	SIGNAL STRENGTH DETECTION IN HIGH SPEED OPTICAL ELECTRONICS	10/285,083 31-Oct-02
16436.253.21	8775-036-898	SIGNAL STRENGTH DETECTION IN HIGH-SPEED OPTICAL ELECTRONICS	10/285,106 31-Oct-02
16436.253.23	8775-039-898	COMPACT OPTICAL ASSEMBLY FOR OPTOELECTRONIC TRANSCEIVERS	09/857,557 18-Sep-01
16436.24.1	8775-040-898	SYSTEM AND METHOD FOR TRANSMITTING DATA ON RETURN PATH OF A CABLE TELEVISION SYSTEM	08/735,710 12-Dec-00
16436.253.25.1	8775-042-898	A SYNCHRONOUS NETWORK TRAFFIC PROCESSOR	09/876,765 12-Oct-01
16436.253.26.1	8775-043-898	OPTOELECTRONIC DEVICE CAPABLE OF PARTICIPATING IN IN-BAND TRAFFIC	10/003,959 14-Nov-01
16436.253.28	8775-047-898	FIBER OPTIC HEADSET FOR WIRELESS TELEPHONES	08/691,311 17-Oct-00
16436.253.29	8775-048-898	CIRCUIT INTERCONNECT FOR OPTOELECTRONIC DEVICE FOR CONTROLLED IMPEDANCE AT HIGH FREQUENCIES	10/005,924 4-Dec-01
16436.253.31	8775-051-898	MULTI-RATE AND MULTI-LEVEL GIGABIT INTERFACE CONVERTER	09/829,737 31-Aug-01
16436.253.32	8775-052-898	INTEGRATED MEMORY MAPPED CONTROLLER	09/777,917 5-Feb-01
16436.253.33	8775-055-898	CIRCUIT FOR FIBER OPTICS TRANSCEIVERS	09/825,176 8-Aug-01
16436.253.35.1	8775-057-898	SIGNAL PROCESSING CIRCUIT FOR FLOATING SIGNAL SOURCES USING POSITIVE FEEDBACK	09/823,471 6-Aug-01
16436.253.37.1	8775-058-898	SYSTEM AND METHOD FOR PACKAGING A LASER/DETECTOR	10/101,247 18-Mar-02
16436.253.39.1	8775-063-898	OPTOELECTRONIC TRANSCEIVER MODULE WITH THERMALLY ISOLATED COMPONENTS	10/101,260 18-Mar-02
		COMPACT LASER PACKAGE WITH INTEGRATED TEMPERATURE CONTROL	

EXHIBIT B
Patents and Patent Applications Subject to Revocations and Substitute Power of Attorney

INVENTOR	PATENT NUMBER	TYPE	DATE	STATUS
15436,253.40.1	9775-065-989	CONTROL CIRCUIT FOR OPTOELECTRONIC MODULE WITH INTEGRATED TEMPERATURE CONTROL	10/101,248	18-Mar-02
15436,253.41.1	9776-070-989	BANDPASS COMPONENT DECIMATION AND TRANSMISSION OF DATA IN CABLE TELEVISION DIGITAL RETURN PATH	10/218,344	12-Aug-02
15436,253.42.1	9776-071-989	DATA RATE COMPRESSION DEVICE FOR CABLE TELEVISION RETURN PATH USING BANDPASS PUNCTURING	10/102,618	3/18/2002
15436,253.43.1	9775-072-989	APPARATUS AND METHOD FOR COMBINING ASYNCHRONOUS DIGITAL SIGNALS IN CABLE TELEVISION RETURN PATH	10/357,918	3-Feb-03
15436,253.44.1	9775-073-989	AVALANCHE PHOTODIODE CONTROLLER CIRCUIT FOR FIBER OPTICS TRANSCEIVER	10/101,258	18-Mar-02
15436,253.45	9775-074-989	MULTIPLE WIDTH TRANSCEIVER HOST BOARD SYSTEM	10/036,985	22-Oct-01
15436,253.46.1	9775-075-989	CABLE TELEVISION RETURN LINK SYSTEM WITH DATA-RATE SIDE-BAND COMMUNICATION CHANNELS	10/285,205	30-Oct-02
15436,253.47.1	9775-078-989	EFFICIENT TRANSMISSION OF DIGITAL RETURN PATH DATA IN CABLE TELEVISION RETURN PATH	10/102,625	18-Mar-02
15436,253.48	9775-085-989	SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES	10/188,575	2-Jul-02
15436,253.49.1	9775-086-989	TRANSMITTER OPTICAL SUBASSEMBLY WITH VOLUME PHASE HOLOGRAPHIC OPTICS	10/351,620	23-Jan-03
15436,253.50.1	9775-087-989	EXTENDED BANDWIDTH SEMICONDUCTOR OPTICAL AMPLIFIERS	10/348,341	21-Jan-03
15436,253.51.1	9776-088-989	METHOD FOR MAINTAINING DESIRABLE OPTICAL PERFORMANCE OF LASER EMITTERS OVER TEMPERATURE VARIATIONS	10/285,105	31-Oct-02
15436,253.52.1	9776-090-989	TRANSISTORS OUTLINE PACKAGE WITH EXTERIORLY MOUNTED RESISTERS	10/393,215	18-Mar-03
15436,253.53.1	9776-091-989	A SUBMOUNT, PEDESTAL, AND WIRE BOND ASSEMBLY FOR A TRANSISTOR OUTLINE PACKAGE WITH REDUCED WIRE BOND INDUCTANCE	10/393,218	18-Mar-03
15436,253.54.1	9775-092-989	TRANSIMPEDANCE AMPLIFIER ASSEMBLY WITH SEPARATE GROUND LEADS AND SEPARATE POWER LEADS FOR INCLUDED CIRCUITS	10/285,204	30-Oct-02
15436,253.55.1	9775-093-989	A TRANSMISSION LINE WITH INTEGRATED CONNECTION PADS	10/393,164	19-Mar-03
15436,253.56.1	9775-094-989	CIRCUIT BOARD HAVING TRACES WITH DISTINCT TRANSMISSION IMPEDANCES	10/393,217	19-Mar-03
15436,253.57	9775-095-989	A SYSTEM AND METHOD OF PROCESSING DATA SIGNAL	10/285,082	31-Oct-02
15436,253.58.1	9775-096-989	A SYSTEM AND METHOD OF DETECTING A BIT PROCESSING ERROR	10/285,081	31-Oct-02

EXHIBIT B
Patents and Patent Applications Subject to Revocations and Substitute Power of Attorney

INVENTOR(S)	PATENT NUMBER	APPLICATION NUMBER	INVENTION	PUBLICATION DATE	ISSUE DATE
16438,253,59.1	9775-088-988	APPARATUS FOR ENHANCING IMPEDANCE-MATCHING IN A HIGH-SPEED DATA COMMUNICATIONS SYSTEM	10/285,772	1-Nov-02	
16438,253,60	9775-101-988	APPARATUS AND METHOD FOR REDUCING INTERFERENCE IN AN OPTICAL DATA STREAM	10/288,324	5-Nov-02	
15438,253,83	9775-103-988	SYSTEM AND METHOD FOR PROTECTING EYE SAFETY DURING OPERATION OF A FIBER OPTIC TRANSCIVER	10/266,889	8-Oct-02	
15438,253,62	9775-105-988	OPTICAL TRANSCIVER MODULE WITH A SINGLE INTERNAL SERIAL BUS	10/286,870	8-Oct-02	
15438,253,63	9775-107-988	SYSTEM AND METHOD FOR TESTING A LASER MODULE BY MEASURING ITS SIDE MODE SUPPRESSION RATIO	10/246,038	18-Sep-02	
16438,263,84	9775-108-988	SIGNAL PROCESSING CIRCUIT FOR FLOATING SIGNAL SOURCES USING POSITIVE FEEDBACK	10/147,877	16-May-02	
15438,253,89.1	9775-127-988	DUAL FIBER OPTIC AMPLIFIER WITH SHARED PUMP SOURCE	10/384,228	7-Mar-03	
15438,253,70.1	9775-128-988	STAGED AMPLIFIER FOR LOWER NOISE FIGURE AND HIGHER SATURATION POWER	10/384,227	7-Mar-03	
15438,253,72.1	9775-130-988	SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES	10/285,203	30-Oct-02	
15438,253,76	9775-137-988	MAINTAINING DESIRABLE PERFORMANCE OF OPTICAL EMITTERS AT EXTREME TEMPERATURES	10/285,389	31-Oct-02	
15438,253,79	9775-145-988	EFFICIENT TRANSMISSION OF DIGITAL RETURN PATH DATA IN CABLE TELEVISION RETURN PATH	10/261,208	8-Nov-02	
15438,253,81	9775-152-988	METHOD AND APPARATUS FOR REDUCING INTERFERENCE IN AN OPTICAL DATA STREAM USING DATA-INDEPENDENT EQUALIZATION	10/418,023	17-Apr-03	



MARCH 04, 2003

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RECORDATION DATE: 10/30/2002

REEL/FRAME: 013452/0163

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

SHAPIRO, PHILIP D. ✓

DOC DATE: 09/21/2002

ASSIGNEE:

CASE, DANIEL K. ✓

DOC DATE: 10/29/2002

ASSIGNEE:

NGUYEN, THE LINH ✓

DOC DATE: 10/29/2002

ASSIGNEE:

FINISAR CORPORATION ✓
1308 MOFFETT PARK DRIVE
SUNNYVALE, CALIFORNIA 94089-1133

SERIAL NUMBER: 10285203 ✓

FILING DATE: 10/30/2002 ✓

PATENT NUMBER:

ISSUE DATE:

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ASSIGNMENT DIVISION
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IN FORM COVER SHEET

INTS ONLYAttorney Docket Number
9775-0130-999

THE HONORABLE COMMISSIONER OF PATENTS AND TRADEMARKS

Box Assignment
Washington, DC 20231

10/30/02
10/28/02
10/30/02

Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Philip D. Shapiro, Daniel K. Case and The' Linh
NguyenAdditional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

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| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger |
| <input type="checkbox"/> Security Agreement | <input type="checkbox"/> Change of Name |
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Execution Date: September 21, 2002 and October 29,
2002 respectively

4. Application number(s) or patent number(s):

10/285203

If this document is being filed together with a new application, the execution date of the application is: October 29, 2002

A. Patent Application No.(s) _____

B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

PENNIE & EDMONDS LLP
3300 Hillview Avenue
Palo Alto, CA 943046. Number of applications and patents involved: 17. Total fee (37 CFR 3.41):\$ 40.00

Please charge to the deposit account listed in Section 8.

8. Deposit account number:
16-1150

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Gary S. Williams

Name of Person Signing

31,066

Reg. No.

October 30, 2002

Date

Total number of pages including cover sheet:

3

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Documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignment
 Washington, D.C. 20231

ASSIGNMENT

WHEREAS, WE, Philip D. Shapiro, Daniel K. Case and The' Linh Nguyen, ASSIGNORS, citizens of the United States, the United States and Canada, residing at 2072 Williams Street, Palo Alto, CA 94306, 1407 Casablanca Circle, Gilroy, CA 95020 and 1650 Via Fortuna, San Jose, CA 95120, are the inventors of the invention in SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES for which we have executed an application for a Patent of the United States

which is executed on _____ even date herewith or _____

which is identified by Pennie & Edmonds LLP docket no. 9775-0130-999
which was filed on , Application No.

and WHEREAS, Finisar Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

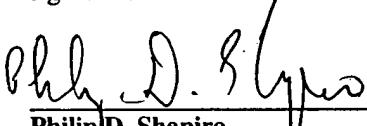
NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.


Philip D. Shapiro

Witness:

9/21/2002
Date

9/21/2002
Date

Daniel K. Case

Date

Witness:

Date

The' Linh Nguyen

Date

Witness:

Date

ASSIGNMENT

WHEREAS, WE, Philip D. Shapiro, Daniel K. Case and The' Linh Nguyen, ASSIGNORS, citizens f the United States, the United States and Canada, residing at 2072 Williams Street, Pal Alt , CA 94306, 1407 Casablanca Circle, Gilroy, CA 95020 and 1650 Via Fortuna, San Jose, CA 95120, are the inventors of the invention in SYSTEM FOR CONTROLLING BIAS CURRENT IN LASER DIODES WITH IMPROVED SWITCHING RATES for which we have executed an application for a Patent of the United States

which is executed on even date herewith or _____

which is identified by Pennie & Edmonds LLP docket no. 9775-0130-999
which was filed on , Application No.

and WHEREAS, Finisar Corporation, ASSIGNEE is desirous of obtaining our entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said ASSIGNORS, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Philip D. Shapiro

Date

Witness:



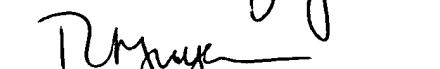
Daniel K. Case

Date



Date

Witness:



The' Linh Nguyen

Date

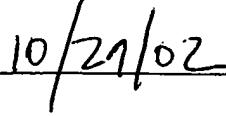


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